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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/736,290	12/12/2003	Warren Keith Edwards	D/A3420	4296
35700 7590 04/24/2009 CASCADIA INTELLECTUAL PROPERTY 500 UNION STREET SUITE 1005 SEATTLE, WA 98101				
EXAMINER				
YAARY, MICHAEL D				
ART UNIT		PAPER NUMBER		
2193				
MAIL DATE		DELIVERY MODE		
04/24/2009		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/736,290

Applicant(s)

EDWARDS ET AL.

Examiner

MICHAEL YAARY

Art Unit

2193

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 February 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10, 13-23 and 26-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10, 13-23 and 26-28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/06)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

1. Claims 1-10, 13-23, and 26-28 are pending in the application.

Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 02/18/2009 has been entered.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-10, 13-23, and 26-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schmidt et al (hereafter Schmidt)(US Pat. 6,546,554) in view of Yau et al (hereafter Yau)(US Pat. 7,155,487).

Schmidt was cited in the previous office action dated 11/18/2008.

5. **As to claims 1, 14, and 28**, Schmidt teaches a system for providing self-installing software components for network service execution (Abstract- self install), comprising:

An interface to interoperate with a network service component via a network service on a service host system (abstract and figure 4);

A basic communication framework established with the service host system (abstract and column 2, lines 33-38);

A checking mechanism to remotely determine availability of the network service software component on the service host system (column 6, lines 18-32—JNet Helper checks proxy) and to verify prerequisites against a runtime environment through the service host system (abstract and column 2, lines 13-39 - environment associated with registered browser);

A helper mechanism to execute a code bundle providing the network service software component (abstract and column 2, lines 13-39) through the service host system, wherein the code bundle is logically grouped with installation instructions for the network service software component (JAR File, abstract and column 2, lines 13-39);
and

6. Schmidt does not teach of a viral mechanism to provide functionality equivalent to the network service independent of the service host system and implement the

network service software component in the code bundle (column 2, lines 13-39 – applets within a browser and column 13, lines 1-20; col. 14, lines 1-15).

However, Yau discloses of a viral mechanism to provide functionality equivalent to the network service independent of the service host system and implement the network service software component in the code bundle (Abstract; column 3, lines 28-49; and figure 1 teach of a data distribution processes in which one client receives transferred data from a network server. Then the client distributes the data to another client... and so forth. Thus, in this distribution method the client provides functionality equivalent to the network service as it becomes a host capable of distribution of the data once it receives the data.).

7. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Schmidt, by utilizing similar techniques in distribution, as taught by Yau, for the benefit of distributing data to multiple nodes efficiently. One would be motivated to make the combination as this type of distribution reduces the bandwidth and system requirements of a centralized server (Yau, column 2, lines 59-67).

8. **As to claims 2 and 15**, Schmidt teaches a set of standardized method definitions provided through a public interface defined on the network service software component (Schmidt, column 2, lines 22-26 - class path as a set of Universal Resource Identifiers).

9. **As to claims 3 and 16**, the combination of Schmidt and Yau disclose the standardized method definitions are selected from the group comprising at least one of an availability method (Schmidt, column 2, lines 16-21), environment verification method, code retrieval method, and an update method (Schmidt, column 2, lines 30-34 – auto install).

10. **As to claims 4 and 17**, the combination of Schmidt and Yau disclose the network service software component is updated through the service host system (Schmidt, column 12, lines 33-49).

11. **As to claims 5 and 18**, the combination of Schmidt and Yau disclose an installation predicate object defined on the service host system to verify that the runtime environment satisfies prerequisites necessary to install and execute the network service software component (Schmidt, column 2, lines 15-24 – environment tied to helper application, registered browser metafile).

12. **As to claims 6 and 19**, the combination of Schmidt and Yau disclose the installation predicated object is implemented in at least one of mobile code (Schmidt, column 4, lines 34-52) for execution within a managed code platform (Schmidt, JAVA - inherently has a Virtual Machine (JVM)) and in platform-specific native code (Schmidt, column 14, lines 28-57).

13. **As to claims 7 and 20**, the combination of Schmidt and Yau disclose a helper object defined on the service host system to locate and obtain copies of one or more of the network service software components necessary to satisfy one or more of the prerequisites (Schmidt, column 2, lines 13-39).

14. **As to claims 8 and 21**, the combination of Schmidt and Yau disclose the helper object (Schmidt, column 2, lines 30-39) is implemented in at least one of mobile (Schmidt, column 4, lines 34-52) for execution within a managed code platform (Schmidt, JAVA - inherently has a Virtual Machine (JVM)) and in platform-specific native code (Schmidt, column 14, lines 28-57).

15. **As to claims 9 and 22**, the combination of Schmidt and Yau disclose an update object defined on the service host system to identify (Schmidt, JNet Help as per claim 1), retrieve and install any updates to the network service software component (Schmidt, abstract – download and install).

16. **As to claims 10 and 23**, the combination of Schmidt and Yau disclose the update object is implemented in at least one of mobile code (Schmidt, column 4, lines 34-52) for execution within a managed code platform (Schmidt, JAVA - inherently has a Virtual Machine (JVM)) and in platform-specific native code (Schmidt, column 14, lines 28-57).

17. **As to claims 13 and 26**, the combination of Schmidt and Yau disclose the basic communication framework comprises a Java operating environment (Schmidt, column 17, lines 1-5, JAVA platform - the JVM inherent part of Java).

18. **As to claim 27**, the combination of Schmidt and Yau disclose a computer-readable storage medium holding code for performing the method according to claim 14 (Schmidt, figure 1, #34 – fixed disk).

Response to Arguments

19. Applicant's arguments with respect to claims 1-10, 13-23, and 26-28 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MICHAEL YAARY whose telephone number is (571)270-1249. The examiner can normally be reached on Monday-Friday, 8:00 a.m - 5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lewis Bullock can be reached on (571) 272-3759. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/M. Y./
Examiner, Art Unit 2193

/Lewis A. Bullock, Jr./
Supervisory Patent Examiner, Art Unit 2193